

I CLAIM:

1. A fastening unit for securing brackets on a frame of a housing of a personal computer that includes interface cards which are to be secured to the
5 brackets, said fastening unit comprising:

a seat adapted to be mounted on the frame and having at least two parallel mounting walls that define a mounting space therebetween, said mounting space being adapted to receive a portion of one of
10 the brackets; and

at least one pressing member that has a pressing part, that is disposed in said mounting space, and that is pivoted to said mounting walls so as to be rotatable relative to said seat between a pressing
15 position, in which said pressing part thereof is adapted to press the portion of said one of the brackets against the frame, and a releasing position, in which said pressing part thereof is adapted to be moved away from the portion of said one of the
20 brackets.

2. The fastening unit of Claim 1, further comprising at least an interlocking mechanism that includes a first engaging member formed on said seat between said mounting walls, and a second engaging member mounted
25 movably on said pressing member, said second engaging member being releasably engageable with said first engaging member so as to lock said pressing member

at said pressing position and so as to prevent rotation of said pressing member.

3. The fastening unit of Claim 2, wherein said mounting walls of said seat are formed with a pair of opposing pivot grooves, said pressing member being adapted to be disposed above the portion of the respective one of the brackets and including a base wall that has first and second ends and two opposite sides transverse to said first and second ends and parallel to said mounting walls, two opposite side walls that respectively project from said opposite sides of said base wall in a first transverse direction relative to said base wall, and two opposing pivot studs that are disposed adjacent to said second end of said base wall and that respectively and oppositely project from said side walls in a second transverse direction relative to said side walls into said pivot grooves so as to permit rotation of said pressing member relative to said seat.

4. The fastening unit of Claim 3, wherein said pivot grooves in said mounting walls respectively have open ends that open downwardly, said pivot studs being respectively inserted into said pivot grooves through said open ends, said side walls of said pressing member being respectively formed with two opposing arcuate slots, each of which is disposed adjacent to a respective one of said pivot studs and each of which

is defined by a slot-defining wall that has two opposite ends, said mounting walls of said seat being further formed with a pair of opposing limiting studs that respectively project therefrom into said arcuate slots so as to support said pressing member on said mounting walls, one of said opposite ends of said slot-defining wall of each of said arcuate slots coming into contact with the respective one of said limiting studs when said pressing member is positioned at said pressing position, the other of said opposite ends of said slot-defining wall coming into contact with the respective one of said limiting studs when said pressing member is positioned at said releasing position, thereby limiting rotation of said pressing member between said pressing position and said releasing position.

5. The fastening unit of Claim 4, wherein said pressing member further includes a leg that projects from said second end of said base wall in said first transverse direction, that is opposite to said side walls of said pressing member, and that has a free end which defines said pressing part of said pressing member, which is adapted to abut against the portion of the respective one of the brackets when said pressing member is disposed at said pressing position, and which is adapted to move away from the portion of the respective one of the brackets when said

pressing member is moved from said pressing position to said releasing position.

6. The fastening unit of Claim 5, wherein said first engaging member is in the form of a bar extending
5 between said mounting walls, said side walls of said pressing member defining a plate-receiving space therebetween, said second engaging member being in the form of a sliding plate that is slidably received in said plate-receiving space, that has an engaging
10 end disposed adjacent to said second end of said base wall, and that is slidable in a third transverse direction relative to said first and second transverse directions between a locking position, in which said engaging end of said sliding plate extends
15 outwardly of said plate-receiving space and is disposed above and confronts said bar when said pressing member is positioned at said pressing position so as to prevent rotation of said pressing member in a first direction, and an unlocking position,
20 in which said engaging end of said sliding plate is moved away from said bar and into said plate-receiving space so as to permit rotation of said pressing member in said first direction.

7. The fastening unit of Claim 6, wherein said base
25 wall of said pressing member is formed with a through-hole that is defined by a hole-defining wall, and a first mounting stud that projects from said

hole-defining wall into said through-hole, said sliding plate being formed with a rib that projects into said through-hole, and a second mounting stud that projects from said rib toward said first mounting stud, said interlocking mechanism further including a coil spring that is sleeved on said first and second mounting studs so as to urge said sliding plate to move to said locking position when said pressing member is positioned at said pressing position.

8. The fastening unit of Claim 7, wherein said side walls of said pressing member are formed with guiding protrusions projecting therefrom into said plate-receiving space and cooperatively defining two opposing guiding channels thereunder, said sliding plate having two opposite sides that are respectively formed with two opposing wings that are slidably received in said guiding channels.

9. The fastening unit of Claim 6, wherein said interlocking mechanism further includes a limiting tongue that projects from said leg in said third transverse direction away from said first end of said base wall and that is disposed at a position adjacent to said second end of said base wall so as to be disposed below and to confront said bar when said pressing member is disposed at said pressing position, thereby preventing rotation of said pressing member in a second direction opposite to said first

direction.

10. The fastening unit of Claim 2, wherein said mounting walls respectively have pivot ends that are respectively formed with two opposing grooves, said
5 seat further including a supporting wall that extends between and that interconnects said pivot ends of said mounting walls and that is formed with a notch which opens downwardly and which is defined by a notch-defining wall, said notch-defining wall having a top
10 wall portion that is disposed above said grooves and that defines said first engaging member of said interlocking mechanism, said pressing member being adapted to be disposed above the portion of the respective one of the brackets and including a base
15 wall that has first and second ends and two opposite sides transverse to said first and second ends and parallel to said mounting walls, that defines said pressing part of said pressing member, that is adapted to abut against the portion of the respective one of
20 the brackets when said pressing member is disposed at said pressing position, and that is adapted to move away from the portion of the respective one of the brackets when said pressing member is moved from said pressing position to said releasing position,
25 said pressing member further including a pair of pivot studs that project oppositely from said second end of said base wall at said opposite sides of said base

wall into said grooves, and a curved wall that is formed with an elastic part having an engaging protrusion which defines said second engaging member of said interlocking mechanism and that extends
5 curvedly from said first end of said base wall toward said second end of said base wall in such a manner that said engaging protrusion elastically engages said top wall portion of said notch-defining wall when
10 said pressing member is disposed at said pressing position, said elastic part being elastic so as to permit disengagement between said engaging protrusion and said top wall portion of said notch-defining wall upon being pressed, thereby
15 permitting rotation of said pressing member from said pressing position to said releasing position.